INTERNATIONAL SEARCH REPORT

International application No. PCT/US99/21235

A. CLASSIFICATION OF SUBJECT MATTER 1PC(6) :GO9G 5/00, 5/08, 5/26, 5/34				
US CL : Please See Extra Sheet. According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum d	ocumentation searched (classification system followe	d by classification symbols)		
U.S. : 345/7, 8, 121, 123, 127-130, 145, 157, 158, 419; 348/53, 63, 64, 115; 382/114				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where a	ppropriate, of the relevant passages	Relevant to claim No.	
A	US 5,442,734 A (MURAKAMI et al)	15 August 1995, Figs. 1, 2.	1-29	
Α	US 5,579,026 A (TABATA) 26 Nove	mber 1996, Fig. 10.	1-29	
Α	US 5,777,715 A (KRUEGLE et al) 07	July 1998, Fig. 1.	1-29	
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		0		
Further documents are listed in the continuation of Box C. See patent family annex.				
	ecial categories of cited documents: cument defining the general state of the art which is not considered	"T" later document published after the inte date and not in conflict with the appl	ication but cited to understand	
to	be of particular relevance	the principle or theory underlying the "X" document of particular relevance; th		
	ter document published on or after the international filing date cument which may throw doubts on priority claim(s) or which is	considered novel or cannot be consider when the document is taken alone	red to involve an inventive step	
cite	rd to establish the publication date of another estation or other scial reason (as specified)	"Y" document of particular relevance, th	claimed invention enanor be	
me		considered to involve an inventive combined with one or more other such being obsides to a person skilled or	i documents, such combination	
· i·· do: the	nument published prior to the international filing date but later than priority date claimed	*& document member of the same paters		
Date of the actual completion of the international search Date of mailing of the international search report				
18 NOVEMBER 1999		0 2 FEB 20	UU 	
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks		Authorized officer		
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